

POWER AUTHORITY OF THE STATE OF NEW YORK
JAMES A. FITZPATRICK NUCLEAR POWER PLANT



RAYMOND J. PASTERNAK
Resident Manager

P.O. BOX 41
Lycoming, New York 13093
315-342-3840

July 22, 1980
SERIAL: JAFP 80-591

Boyce H. Grier, Director
United States Nuclear Regulatory Commission
Region I
631 Park Avenue
King of Prussia, PA. 19406

SUBJECT: NRC BULLETIN 80-16 - POTENTIAL MISAPPLICATION OF ROSEMOUNT
INC. MODELS 1151 and 1152 PRESSURE TRANSMITTERS WITH EITHER
"A" OR "D" OUTPUT CODES

Dear Mr. Grier:

The FitzPatrick Plant staff has completed its review of the subject Bulletin and the results of that review are presented below in the same order as indicated in the Bulletin.

- 1) The FitzPatrick Plant uses four (4) Rosemount Model 1151 transmitters in safety-related systems which have an output code "A" and one (1) model 1152 transmitter using output code "A".

In addition, the FitzPatrick Plant plans to install approximately seventy-six (76) additional Rosemount transmitters associated with Analog Trip Transmitter Units during 1981. Some of these transmitters have been received at the plant and have been placed in a "Hold" status by Quality Assurance awaiting resolution of the potential problem described in the Bulletin.

- 2) The FitzPatrick Plant performed a 10CFR21 evaluation when Rosemount Inc. informed the plant of potential defects on March 14 and March 28, 1980. This evaluation determined that none of the Rosemount transmitters installed at the FitzPatrick Plant could result in an ambiguous output.

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Tabulated below is additional information for each of the five (5) transmitters to which the Bulletin is applicable:

02-3-PT178C

- | | |
|--|--|
| a) Complete Model No. | 1151GP9A22T0003PB |
| b) Transmitter Range Limits | 0 to 3000 psig (+ 14 psig static head) |
| c) Transmitter Range Setting | 14 to 1214 psig |
| d) Range of process variable measure for: | |
| 1) Normal Conditions | 0 to 1005 psig |
| 2) Accident Conditions | 0 to 1225 psig (FSAR Paragraph 14.5.1.2) |
| e) Values of process variable which could produce anomalous indication | None |
| f) Service/Function | Reactor Protection System/
High Pressure Trip |

02-3-PT178D

- | | |
|---|--|
| a) Complete Model No. | 1151GP9A22T0003PB |
| b) Transmitter Range Limits | 0 to 3000 psig (+ 14 psig static head) |
| c) Transmitter Range Setting | 14 to 1214 psig |
| d) Range of process variable measure for: | |
| 1) Normal Conditions | 0 to 1005 psig |
| 2) Accident Conditions | 0 to 1225 psi (FSAR Paragraph 14.5.1.2) |
| e) Value of process variable which could produce anomalous indication | None |
| f) Service/Function | Reactor Protection System/
High Pressure Trip |

02-3-PT178A

- | | |
|--|--|
| a) Complete Model No. | 1151GP9A22T003PB |
| b) Transmitter Range Limits | 0 to 3000 psig (+ 14 psig static head) |
| c) Transmitter Range Setting | 14 to 1214 psig |
| d) Range of process variable measure for: | |
| 1) Normal Conditions | 0 to 1005 psig |
| 2) Accident Conditions | 0 to 1225 psig (FSAR Paragraph 14.5.1.2) |
| e) Values of process variable which could produce anomalous indication | None |
| f) Service/Function | Reactor Protection System/
High Pressure Trip |

02-3-PT178B

- | | |
|---|--|
| a) Complete Model No. | 1151GP9A22MBGE3 |
| b) Transmitter Range Limits | 0 to 3000 psig (+ 14 psig static head) |
| c) Transmitter Range Setting | 14 to 1214 psig |
| d) Range of process variable
measure for: | |
| 1) Normal Conditions | 0 to 1005 psig |
| 2) Accident Conditions | 0 to 1225 psig (FSAR Paragraph 14.5.1.2) |
| e) Values of process
variable which could
produce anomalous
indication | None |
| f) Service/Function | Reactor Protection System/
High Pressure Trip |

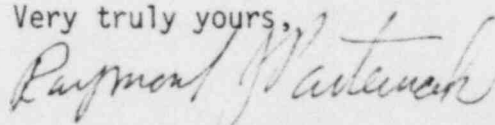
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- | | |
|---|---|
| a) Complete Model No. | 1152DP3A22PB |
| b) Transmitter Range Limits | 0 to 30 inches water |
| c) Transmitter Range Setting | 0 to 12 inches water |
| d) Range of process variable
measure for: | |
| 1) Normal Conditions | 4.5 to 6.0 inches water |
| 2) Accident Conditions | 0 to 12.0 inches water - SEE NOTE BELOW |
| e) Values of process
variable which could
produce anomalous
indication | None |
| f) Service/Function | Level Indication/Pressure
Suppression Pool |

NOTE: Due to the physical arrangement of the Pressure Suppression Pool water level sensing taps, the maximum differential pressure which the transmitter can be subject to is 12.0 inches irregardless of the actual Pressure Suppression Pool level.

- 3) No corrective action is required for the five (5) transmitters which are currently installed. Corrective action for the transmitters to be installed during 1981 will be completed prior to installation. The nature of this corrective action is dependent upon additional work by Rosemount and General Electric which has not been completed at this time.

Very truly yours,



RAYMOND J. PASTERNAK
RESIDENT MANAGER

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